BRUHAT BANGALORE MAHANAGARA PALIKE

YELAHANKA ZONE

DIVISION: BYATARAYANAPURA

SUB DIVISION: VIDYARANYAPURA

Name of Work: Estimate for Improvements and Asphalting to Balance Roads at Ramchandrapura area in Ward No. 10 (Doddabommasandra), Vidyaranyapura Sub Division.

Job Code: 010-20-000007

Estimated Cost: Rs: 25.00 Lakhs

BRUHAT BANGALORE MAHANAGARA PALIKE

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Name of the work: Estimate for Improvements and Asphalting to Balance Roads at Ramchandrapura Area in Ward No. 10 (Doddabommasandra), Vidyaranyapura Sub Division.

Sl. No	Description	Unit	No.	L	B	D	Qty	Rate	Amount
						Estimate Cost:			2500000.00
1	KSRRB 300-1. Earthwork excavation by manual means in ordinary soil involving an average horizontal throw upto 2 meters and an average lift upto 0.5 m, excavated surface leveled and sides neatly dressed, the disposed earth to be leveled neatly after breaking of clods complete as per specifications. MORTH / Chapter 3 **Page No. 143 / Item No. 19.1, PWD SR 2018-19**	Cum							
	For Drain Desilting								
	Santhosh House to Busra Store, Ramachandrapura		2	210.00	0.45	0.45	85.05		
	Zee School Road		2	215.00	0.45	0.45	87.08		
	KNV 1st Stage		2	240.00	0.45	0.40	86.40		
	Berm Cutting								
	Santhosh House to Busra Store, Ramachandrapura		2	210.00	0.60	0.15	37.80		
	KNV 1st Stage		2	215.00	0.60	0.15	38.70		
	Ramakrishna Apartment Road		2	240.00	0.60	0.15	43.20		
							378.23	243.88	**92242.00**
	Basic Rate	130.00							
	Area Weightage @ 6%	7.80							
	Sub Total	**137.80**							
	Add loading and unloading Charges **It No 17.1 KSRRB M 100-1**	68.00							
	Average weight of earth 1.28 tonne / kg for 11.90 Km = 1.28 T X 11.90Km X 2.5 Tonne / km = 38.08	38.08							
	Total	**243.88**							
2	Removing and refixing stone slabs of drains and pointing in CM (1:3) **Page No. 27 / Item No. 5.33 PWD SR 2018-19**	Sqm							
	Santhosh House to Busra Store, Ramachandrapura		2	210.00		0.90	378.00		
	Zee School Road		2	215.00		0.90	387.00		
	KNV 1st Stage		2	240.00		0.90	432.00		
	Total Qty						**1197.00**		
	Consider 50% of the Total Qty						**598.50**	111.30	**66613.00**
	Basic Rate	105.00							
	Area Weightage @ 6%	6.30							
	Total	**111.30**							
3	KSRRB 300-49. Scarifying bituminous course 50mm to 75mm thick along with premix carpet / surface dressing by manual means without disturbing the base and stacking of the debris materials including cost of all labour charges complete as per specifications. MORTH / Chapter 3 **Page No. 146 / Item No. 19.55 PWD SR 2018-19**	Sqm							
	Santhosh House to Busra Store, Ramachandrapura		1	210.00	4.50		945.00		
	Zee School Road		1	215.00	5.60		1204.00		
	KNV 1st Stage		1	240.00	5.60		1344.00		
	Total Qty						**3493.00**		
	Consider 30% of the Total Qty						**1047.90**	95.40	**99970.00**
	Basic Rate	90.00							
	Area Weightage @ 6%	5.40							
	Total	**95.40**							
4	KSRRB M400- Wet Mix Macadam KSRRB M400-17. Providing, laying, spreading and compacting crushed stone aggregates of granite / trap / basalt to wet mix macadam specifications including pre mixing the material with water at OMC in mechanical mix plant carriage of mixed method of tipper to site, laying in uniform layers with paver in sub-base/base course on well prepared surface and compacting with vibratory roller to achieve the desired density complete as per specifications. MORTH Specification No. 406 **Page No. 155 / Item No. 20.18. PWD SR 2018-19**	Cum							

	Description	Unit	No.	L	B	D	Qty	Rate	Amount
	Santhosh House to Busra Store, Ramachandrapura		1	210.00	4.50	0.23	217.35		
	e School Road		1	215.00	5.60	0.23	276.92		
	KNV 1st Stage		1	240.00	5.60	0.23	309.12		
	Total Qty						**803.39**		
	Consider 30% of the Total Qty						**241.02**	2001.28	**482343.00**
	Basic Rate	1888.00							
	Area Weightage @ 6%	113.28							
	Total	**2001.28**							
5	KSRRB M500-6. Providing and applying primer coat with S.S. bitumen emulsion on prepared surface of granular base such as WMM including cleaning of road surface and spraying primer at the rate of 0.60 kg / sqm using mechanical means complete as per specifications. MORTH Specification No. 502 **Page No. 158 / Item No. 21.6, PWD SR 2018-19**	Sqm							
	Santhosh House to Busra Store, Ramachandrapura		1	210.00	4.50		945.00		
	Zee School Road		1	215.00	5.60		1204.00		
	KNV 1st Stage		1	240.00	5.60		1344.00		
	Total Qty						**3493.00**		
	Consider 30% of the Total Qty						**1047.90**	29.68	**31102.00**
	Revised Basic Rate	28.00							
	Area Weightage @ 6%	1.68							
	Total	**29.68**							
6	KSRRB 500-11. Providing and laying **bituminous macadam** on prepared surface with crushed coarse aggregates as per design mix formula for base / binding course including loading of aggregates with F.E. loader, hot mixing of stone aggregates and bitumen in hot mix plant, transporting the mixd material in tipper to paver and laying mixed materials with paver finisher to the required level and grade, rolling by power roller to achieve the desired density, but excluding cost of primer / tack coat including lead, lift and cost of all materials, labour, HOM of machineries complete as per specifications. MORTH /Chapter 5 - using **40/60 TPH capacity H.M.P. with Mechanical paver Gr-II (50 mm to 75 mm) with 3.3 % VG-30 Bitumen Page No. 159 / Item No. 21.11.6. PWD SR 2018-19**	Cum							
	Santhosh House to Busra Store, Ramachandrapura		1	210.00	4.50	0.05	47.25		
	Zee School Road		1	215.00	5.60	0.05	60.20		
	KNV 1st Stage		1	240.00	5.60	0.05	67.20		
	Total Qty						**174.65**		
	Consider 30% of the Total Qty						**52.40**	5551.22	**290856.00**
	Revised Basic Rate	5237.00							
	Area Weightage @ 6%	314.22							
	Total	**5551.22**							
7	KSRRB 500-2. Cleaning the existing black topped surface with brooms, soft brushes and finally dusting with old gunny bags and / or compressed air to receive bituminous treatment including cost of all materials, labour, HOM of machineries complete as per specifications. MORTH specification clause 501 **Page No. 158 / Item No. 21.2, PWD SR 2018-19**	Sqm							
	Santhosh House to Busra Store, Ramachandrapura		1	210.00	4.50		945.00		
	Zee School Road		1	215.00	5.60		1204.00		
	KNV 1st Stage		1	240.00	5.60		1344.00		
	Total Qty						**3493.00**	5.30	**18513.00**
	Basic Rate	5.00							
	Area Weightage @ 6%	0.30							

	Description	Unit	No.	L	B	D	Qty	Rate	Amount
	Total	**5.30**							
	KSRRB 500-7. Providing and applying tack coat using 80/100 grade bitumen(VG10) on the prepared black topped surfaces at 2.5 kg per 10 sqm, heating bitumen in boiler fitted with spray set (excluding cleaning of road surface) including cost of all materials, labour, HOM of machineries complete as per specifications. MORTH/Chapter 5 **Page No. 158 / Item No. 21.7 PWD SR 2018-19**	Sqm							
				Qty Vide Item No. 7			3493.00		
	Revised Basic Rate	12.00					**3493.00**	12.72	**44431.00**
	Area Weightage @ 6%	0.72							
	Total	**12.72**							
9	KSRRB M500-19. Providing and laying **bituminous concrete 40 mm thick** with hot mix plant, using crushed aggregates of specified grading, premixed with bituminous binder and filler, transporting the hot mix to work site, laying with a paver finisher to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction as per MORTH specification clause No. 500.9 complete in all respects complete as per specifications. MORTH Specification No. 509 - **using 40/60 TPH capacity H.M.P. with Mechanical Paver Gr-II (30 mm to 45 mm) with 6 % VG-30 Bitumen Page No. 162 / Item No. 21.22.6, PWD SR 2018-19**	Cum							
	Santhosh House to Busra Store, Ramachandrapura		1	210.00	4.50	0.040	37.80		
	Zee School Road		1	215.00	5.60	0.040	48.16		
	KNV 1st Stage		1	240.00	5.60	0.040	53.76		
	Revised Basic Rate	7464.00					**139.72**	7911.84	**1105442.00**
	Area Weightage @ 6%	447.84							
	Total	**7911.84**							
	Sub Total								**2231512.00**
	GST @ 12%								**267781.00**
	Miscellaneous and other Charges	L/S							**707.00**
								Total	**2500000.00**

Rupees Twenty Five Lakh(s) Only

CERTIFICATE:

1 The work spot has been inspected and the work is found necessary.
2 This estimate is prepared as per PWD SR of 2018-19.
3 This work included under 2018-19 POW Grants.
4 The provisions were made in this estimate are necessary and adequate.
5 This works come under B.B.M.P. limits.

Sunitha. N R
Assistant Engineer
Ward No. 10

Assistant Executive Engineer
Bruhat Bangalore Mahanagara Palike
Vidayranyapura Sub Division

8/07
Executive Engineer
Bruhat Bangalore Mahanagara Palike
Byatarayanapura Division

6/07

Administrative Approval
Accorded For ..Rs.25.00 Lakhs only
Head of A/C....P1771.....
CER NO :.....62..... Dt:.. 10-7-19

TA CE (YNK)

Technical Sanction
Accorded For ..25.00 Lakhs only
Head of A/C....P1771.....
CER NO :.....416..... Dt:..10-7-19

TA CE (YNK)

BRUHAT BANGALORE MAHANAGARA PALIKE

YELAHANKA ZONE, BYATARAYANAPURA DIVISION

Lead Statement for Srinivaspura Dumping Yard for Ward No. 10,
Vidyaranyapura Sub Division.

Lead Distance:

1.	From BBMP Sub Division office to Devi Circle	1.50 Kms
2.	From Devi Circle to Thirumala Daba	2.00 Kms
3.	From Thirumala Daba to 3rd Cross SBI Bank	2.00 Kms
4.	From 3rd Cross SBI Bank to Sheshadripuram College	0.50 Kms
5.	From Shesadripuram College to Police Station	0.80 Kms
6.	From Police Station to Kogilu Cross	0.60 Kms
7.	From Kogilu Cross to Srinivasapura	4.00 Kms
8.	From Srinivasapura to Dumping Yard	0.50 Kms
	Total	**11.90 Kms**

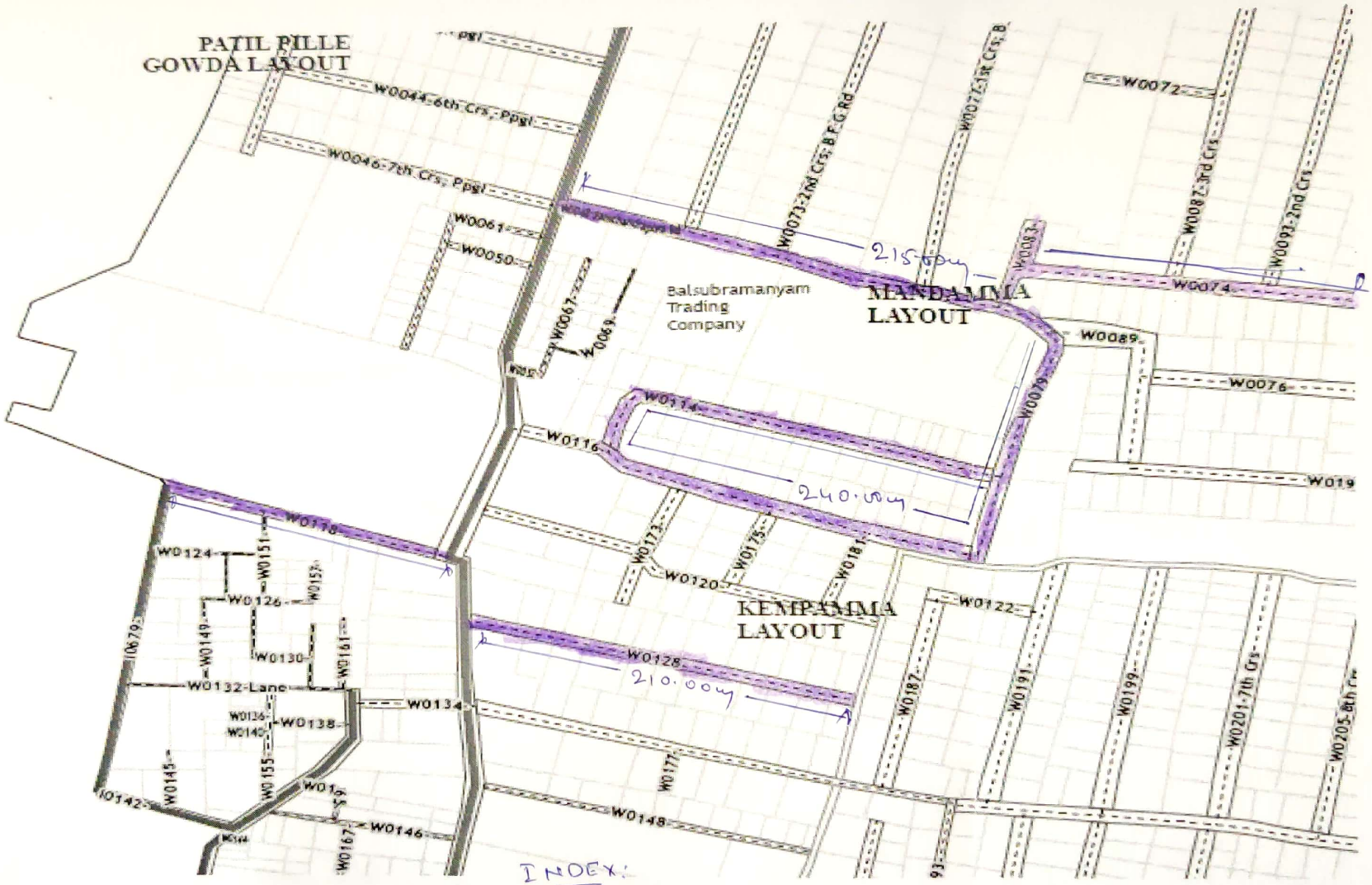
Certificate:

1. Certified that the Srinivasapura Dumping Yard us the approved dumping yard for ward no. 11 BBMP
2. BBMP Sub Division office Vidyaranyapura is taken as the centre place for calculating the lead distance for ward no. 10.
3. The above distance is the shortest distance for calculating the lead.

Sunitha N K
Assistant Engineer
Ward No. 10

Assistant Executive Engineer
Vidyaranyapura Sub Division

Name of work: Improvements and Asphalting to Balance Roads at Ramchandrapura area in Ward No. 10 (Doddabommasandra), Vidyaranyapura Sub Division.

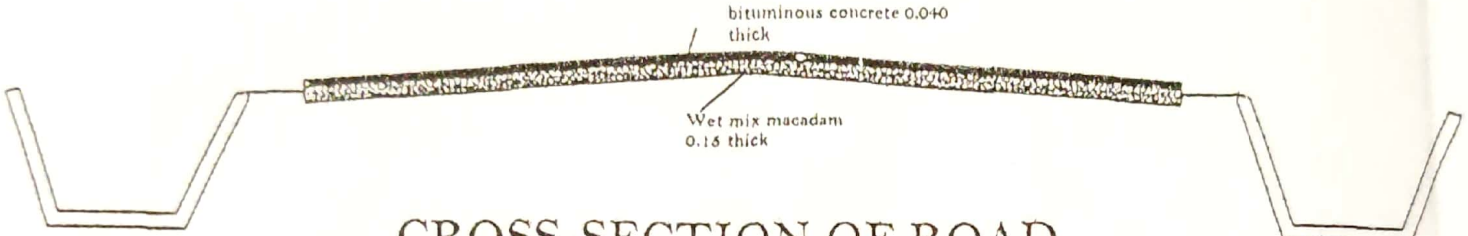


INDEX:

Asphalt Road

Suvetha-NK
Assistant Engineer
Ward No. 10

Assistant Executive Engineer
Vidyaranyapura Sub Division



CROSS-SECTION OF ROAD

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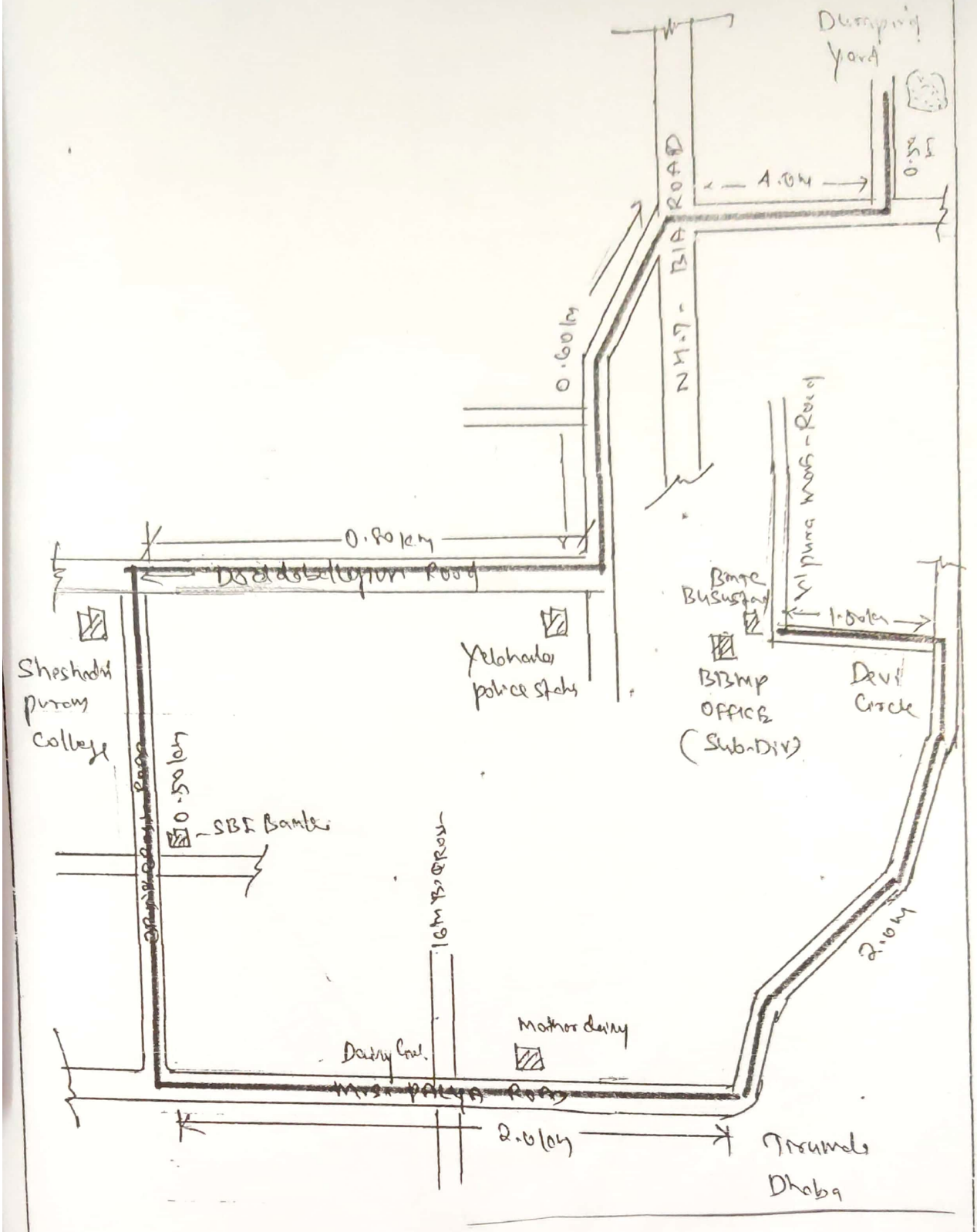
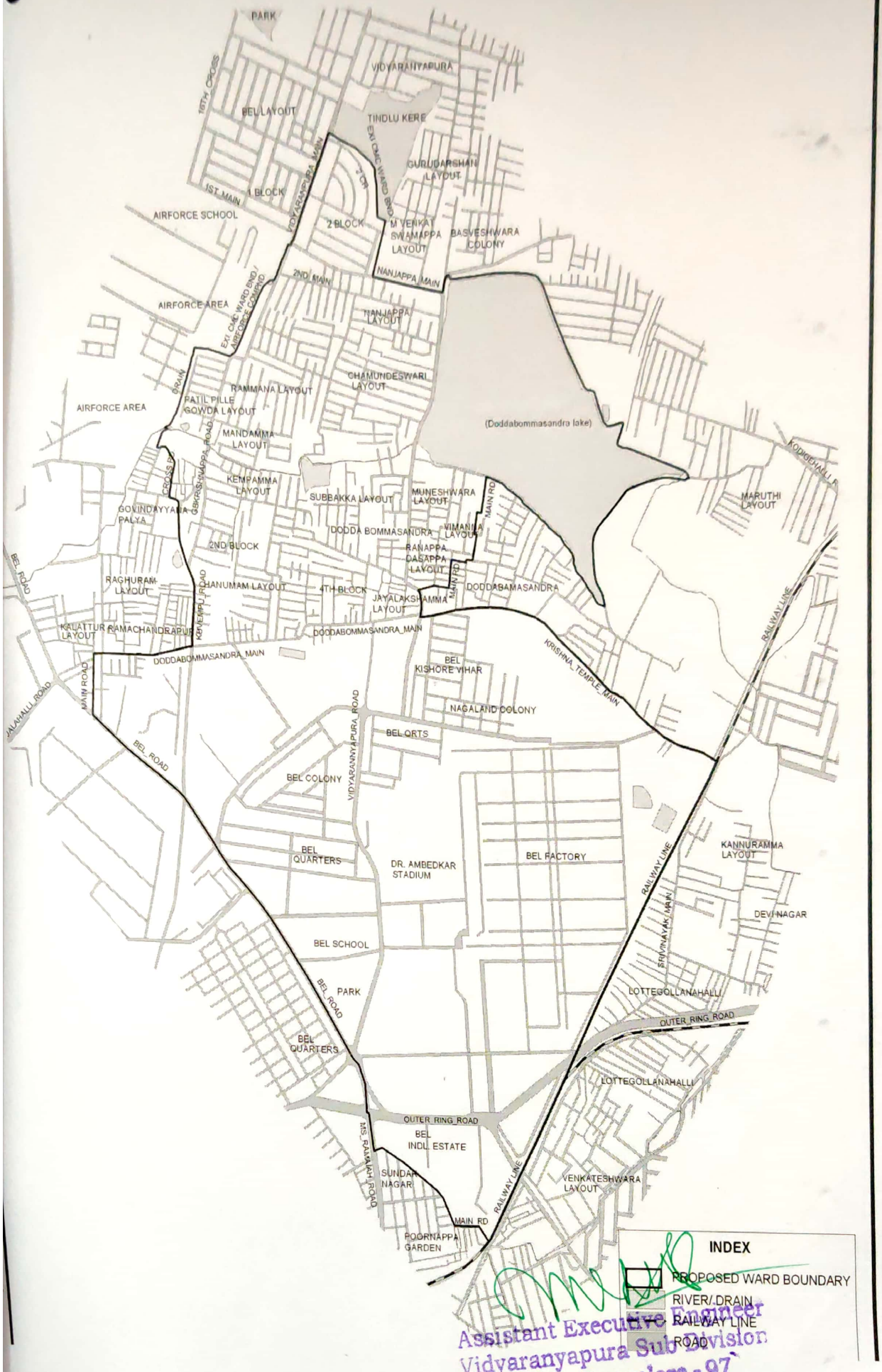
Wet mix macadam Damage Portion

bituminous concrete Resurface

LEAD CHART FOR DUMPING YARD FOR WARD NO



152 - BYATARAYANAPURA AC
WARD NAME : 10 - DODDA BOMMASANDRA



Assistant Executive Engineer
Vidyaranyapura Sub Division
BBMP, Bangalore - 97